St. Lawrence University Facilities Master Plan

Planning Sustainable Strategies

Advisory Committee Meeting – Project Update
March 29, 2012
Agenda

> Charrette Summary
> Facilities Assessment
> Academic Assessment Summary
> Student Housing
> Sustainability
> Schedule Update and Next Steps
Charrette

Listening to the SLU Community…
Charrette

> Sullivan Student Center

> Monday February 27

Thelmo Town Hall Meeting 5:00p.m. – 6:30p.m. (40)
Student Residence Walk Through 7:00p.m.
Canton Community 7:30p.m. – 8:30p.m. (25)

> Tuesday February 28

Open 9:00a.m. – 10:00p.m. (260)
9:00a.m. – 10:00a.m. Student Housing (30)
12:00p.m. – 1:00p.m. Campus Sustainability (30)
4:00p.m. – 5:00p.m. Classroom Space (30)

> Wednesday February 28

Open 9:00a.m. – 1:00p.m. (175+)

Charrette Participants Total Over 500+
1925-26 Campus Map

2012 Campus Map

1900's Entrance

Current Entrance

Images provided by the St. Lawrence University Libraries Vance University Archives and the Digital Collections Team

http://digitalcollections.stlawu.edu/collections/slu-photographs
1950's - Looking Northeast

1960's – Looking Southwest

Images provided by the St. Lawrence University Libraries Vance University Archives and the Digital Collections Team. http://digitalcollections.stlawu.edu/collections/slu-photographs
1990’s - Looking South

2000’s – Looking Northeast

Images provided by the St. Lawrence University Libraries Vance University Archives and the Digital Collections Team  
http://digitalcollections.stlawu.edu/collections/slu-photographs
Charrette

Filling the charrette cart with ideas
Questions
Opportunities
Discussion
Education
Sacred & special places

Most memorable experience / tradition

Charrette Question Responses

> Herring Cole
> Gunnison Chapel
> Quad
> Avenue of the Elms
> Enchanted Forest

> Quad Experience
> Chapel Bells
> Candle Light Services
> Abroad Experience
> Rope Swing
Charrette Question Responses

Desirable indoor social space

Where do you study

> Student Center
> Java Barn
> Pub 56
> Theme Cottages

> ODY Library
> Student Center
> Dorm Room
> Herring Cole
> Science Library
Charrette Question Responses

> Composting
> Local Food
> More Recycling Bins
> Gardens for growing food
> Eco Dorm

> Student Housing
> Dining Services
> Common Spaces (housing)
> Study Spaces
> Classrooms
Community

Assets
> University as economic driver for region
> Access to education, cultural and athletic resources
> Community integration (volunteer)

Challenges
> Pedestrian conflicts on Park St.
> Late night “disruptions”
> Student/village resident housing adjacencies

Vision
> Enhancing the community experience (gateway, retail, restaurant, neighborhood and services) to meet community needs
Open Space and Circulation
Open Space and Circulation

> Preserve Open Space
> Permaculture, interpretive and native landscaping
> Amenities for cyclists (storage and showers)
> Stormwater management
> Solid waste management (composting/recycling consistency)
> Transportation management
> Exterior lighting (energy use and light pollution)
> Alternative energy (wind, solar, biomass)
Campus Accessibility

What we heard…
> Richardson, Atwood, Carnegie, Themed Cottage, Vilas, Dean-Eaton
> Mobility vehicles and infrastructure for charging and storage
> Develop guidelines for ADA & FHA requirements with universal design strategies
> Understand new ADA requirements in effect 3/2012
> Identify barriers to accessibility
> Meet “spirit” & “letter” of laws

> 350 students with disabilities
> Visitors and families
Open Space and Circulation

Land Use

> Over 1,000 acres of land

> Significant environmental resource and diversity
Open Space and Circulation

Vehicular Circulation

> Gateways

> Park Street corridor

> Pedestrian conflict areas

> Identify crossings

> Lighting
Open Space and Circulation

Pedestrian Circulation

> Campus and Canton downtown connection

> Pavement condition

> Desire paths
Open Space and Circulation

- Open Space
- Views
- Passive/Recreation
- Trail Connections
- Canopy Trees
- Landscape Diversity
Open Space and Circulation

Celebrating the Avenue of the Elms

- Outdoor plaza
- Art display
- Historic vista
Open Space and Circulation

- Outdoor Classroom
  - Outdoor plaza
  - Art display
  - Historic vista
Charrette Summary

Identification of Themes

> Review ideas and responses

> Identification of themes

> Incorporate academic and administrative interview summary

> Integrate facility assessment

> Understand space assessment and current needs
### Facility Assessment

#### St. Lawrence University – Facilities Master Plan

<table>
<thead>
<tr>
<th>Priority</th>
<th>Sightlines</th>
<th>Campus Map</th>
<th>Bldgs Completed by 3-29-2012</th>
<th>Sightlines</th>
<th>Sq. Ft.</th>
<th>Alias</th>
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</table>

**Sub Total**: 240,725

| **Residence Halls** | | | | | | | |
| 1 | 62 | 33 | | Dean-Eaton | 94,969 | | Residence Hall |
| 1 | 63 | 41 | | East Hall/Gaines | 14,578 | | Residence Hall |
| 1 | 68 | 86 | | Group House I | 14,578 | | Residence Hall |
| 1 | 69 | 85 | | Group House II | 14,578 | | Residence Hall |
| 1 | 75 | 49 | | Hulet Hall | 22,140 | | Residence Hall |
| 1 | 76 | 51 | | Jencks Hall | 22,140 | | Residence Hall |
| 1 | 77 | 54 | | Lee Hall | 76,466 | | Residence Hall |
| 1 | 85 | 56 | X | Rebert Hall | 56,240 | | Residence Hall |
| 1 | 92 | 4 | X | Sykes/Dana | 109,105 | | Residence Hall |
| 1 | 98 | 52 | X | Whitman Hall | 57,570 | | Residence Hall |

**Sub Total**: 484,354

| **Special** | | | | | | | |
| 1 | 48 | 71 | | Augsburg Physical Education Center | 140,840 | | Leithead Field House | Athletic |
| 1 | 93 | 59 | | Dana Dining Center - combined w/Sykes | 31,204 | | Launderers Science Library | Acad/Auxiliary |
| 1 | 78 | 60 | X | Medill Hall | 93,674 | | Owen D Young Library | Library |
| 1 | 81 | 30 | X | ODY | 93,674 | | | |

**Sub Total**: 265,718

**Total Area**: 990,407 sf
Facility Assessment

Priority

1 – Life Safety and Code Compliance  
   – Immediate need (0-1 year)

2 – Asset Preservation – Short-term need to preserve value of a larger system (1-3 years)

3 – Asset Preservation – Mid-term need to preserve value of a larger system (3-7 years)

4 – Building Function or Quality of Life need (timed as budget allows)

5 – Recommended Sustainability Measures
Facility Assessment

Piskor Hall

Building Name: Piskor Hall
Original Construction Date: 1909
Major Renovation Date: 1981
Existing Programming: Academic
GSF: 19,100
Facility Assessment

Suitability

ADAPTIVE REUSE POTENTIAL
Based on Building Structure, Reconfiguration Potential, Accessibility, HVAC/MEP Systems

Future Academic/Classroom Building
Future Residence Hall
Future Academic Office Building
Future Lecture Hall
Future Library
Future Administrative Building

Key:
- Least Appropriate Future Use
- Acceptable Future Use
- Most Appropriate Future Use
Facility Assessment

Whitman Hall

Building Name: Whitman Hall
Original Construction Date: 1959
Major Renovation Date: 2011
Existing Programming: Residence Hall
GSF: 57,570
Facility Assessment

Madill Hall

Building Name: Madill Hall
Original Construction Date: 1941
Major Renovation Date: 1993
Existing Programming: Acad/Auxiliary
GSF: 31,204
Classroom Analysis
Classroom Analysis

> Better HVAC controls in classrooms
> Daylighting requirements for new construction
> Ventilation in Fine Arts (supply high, return low)
> More integration of campus wide sustainability initiatives into course curriculum
Classroom Analysis

Classroom Space – Actual
80% of Instruction in key buildings

Valentine
Hepburn
Carnegie
Atwood
Richardson
Piskor

With 29,000 WSCH of Lecture

Weekly Student Contact Hours by Semester

- Fall 2011
- Spring 2012

- 0
- 5,000
- 10,000
- 15,000
- 20,000
- 25,000
- 30,000
- 35,000

- Class Lab
- Computer Lab
- Lecture
- Not Applicable

St. Lawrence University – Facilities Master Plan
Classroom Analysis

Classroom Space by Building

> Valentine
> Hepburn
> Carnegie
> Atwood
> Richardson
> Piskor
Existing Inventory

> Atwood

> Richardson
Existing Inventory

> Piskor
Classroom Analysis

Size and Suitability

> 24 Seats
  tables and chairs / technology

> Aspect ratio

> Piskor
Science Complex

> The “Need” to play a role
Valentine, Bewkes, Flint, Brown
Current Efforts

> Physical Space Inventory
  Walk through March 27

> Confirm Classroom, Laboratory, and academic office space
Next Steps

> Begin Analysis and Utilization

> Meet with Registrar and Institutional Research

> Review with Academic Dean

> Recommendations
Student Housing

> Better HVAC controls (more individuality)
> Better solid waste management (composting and recycling)
> Water efficient fixtures
> Lighting
> Bike Racks and storage
> Energy star appliances
> Potential geothermal
> Green roof
> Solar
> Local food / gardens
Key Issue – Student Housing

Existing Student Housing

> 98% on campus

> 2,102 beds

> Additional 40 students per year beginning in 2011 (class of 2015)
Key Issue – Student Housing

> Opportunities

- Private partnership
- Increase student housing off-campus
- Revised scheduling of off-campus programs
- Strategic renovations of existing residence halls
- Construct new residence hall

Goal

> Accommodate increased enrollment by 160 students
> New beds 110+/-
Student Housing

Preferred student housing locations

> Residential infill
> Location

Charrette Responses

> Suites
> Apartments/Townhouses
> Themed Cottages
> Singles
Student Housing

> Opportunities

> Infill

> Gateway

> Increased common and study space
Student Housing

> Opportunities

> Park St. presence

> Architectural / contextual relationship to Sykes
Student Housing

> Opportunities

> Reinforcing the quad

> Residential street and relationship with Dean-Eaton

> Recapturing green space / remove asphalt from edges
Sustainability

Function
Aesthetics
Energy
IAQ
Comfort
Multifarious steps toward sustainability are being taken in all corners of the St. Lawrence campus.
Community Involvement

Bike Paths to community resources

Farmer’s Market and local foods
Sustainability

> “No Brainers”
  Interior Light Upgrades

> “Targeted GHG Reducers”
  Bio-mass, Hydro, PV

> “High Impact”
  Exterior Lighting
  Transportation
  Local Foods

> Fundraising
**Next Steps**

### St. Lawrence University – Facilities Master Plan

#### Working Project Schedule

<table>
<thead>
<tr>
<th>Phase</th>
<th>Tasks</th>
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<tbody>
<tr>
<td><strong>I</strong> Campus Profile</td>
<td>- Select site interaction meeting with Master Plan Advisory Committee</td>
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<tr>
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<td>- Review existing project plans and documents</td>
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<tr>
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<td>- Review master plan and parcels decision</td>
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<td>- Analyze and prioritize opportunities</td>
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<td>- Review district plans and potential sites</td>
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<td>- Review feasibility plans</td>
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<td>- Review financial planning</td>
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<td>- Develop project scope</td>
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<tr>
<td><strong>II</strong> Facility Assessment</td>
<td>- Review site plan and parcels</td>
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<tr>
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#### Analysis of Space Needs

- Interview key stakeholders and project authority
- Review project’s strategic plan and physical space inventory
- Conduct analysis of space utilization
- Evaluate future space needs with consideration of projected enrollment

#### FMP Concepts

- Develop planning strategy
- Develop alternative concepts
- Develop preferred concept
- Develop preferred concept
- Develop preferred concept
- Develop preferred concept

#### FMP Recommendations

- Document final master plan and recommendations
- Identify further studies
- Identify project prioritization and phasing
- Develop project cost estimate
- Develop implementation plan
- Final campus master plan report
- Final presentation

#### Schedule Legend

- Project Phase Completed
- Project Phase to be Completed
- Project Meeting Committed
- Project Meeting to be Committed

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*Project Update / March 29, 2012*


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*St. Lawrence University – Facilities Master Plan*